

Lincoln Stanfield

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Skills

- CAD: Solidworks, Inventor, Creo, Catia, Onshape
- Programming: C++, C, PYTHON, MATLAB, Javascript
- Experience with advanced motion algorithms
- Deep understanding of applied Physics and Mathematics
- Skilled with 3d Printing
- Knowledge of Machining Equipment and Processes
- Experience with hand and machine tools
- Classroom teaching experience

Education

Georgia Institute of Technology | Atlanta, GA

2025-2027

Bachelor's of Mechanical Engineering – Automation and Robotics

GPA: 3.6

Relevant Coursework: Machine Design, Fluid Mechanics, Heat Transfer, Design for Manufacturing, Robotics, Control of Dynamic Systems, System Dynamics, Computing Techniques, Engineering Graphics

Covenant College | Lookout Mountain, GA

2022-2025

Bachelor's Natural Arts and Sciences - Pre-Engineering

GPA: 3.8

Completed a 3-2 Dual Degree Program with GA Tech for Mechanical Engineering

Relevant Coursework: Calc I,II, and III, Diff Eq, Linear Algebra, Physics I,II, Modern Physics, Statics, Dynamics, Engineering Computing, Thermodynamics, Circuits, Chem I,II

Experience

Automation IG, Chattanooga, TN – Engineering Intern – [March 2024 - August 2026]

- Designing parts and assemblies for large scale automated manufacturing machines
- Extensive use of Creo with PDM for design work and part drawing with coordination to other engineers
- Designed with consideration to machining, welding, assembly and sourcing capabilities
- **Reference:** Head Engineer - Brent Boxall (423-645-3829), bboxall@automationig.com

Introductory Engineering Class, Chattanooga, TN – Teacher – [January 2022 - May 2022]

- Designed and taught a Middle School engineering class focused around hands-on group projects for senior capstone

Activities

Vex Robotics Competition – Team Lead, Mechanic, Designer, Programmer – [Aug 2018 - May 2022]

- Member and leader of internationally awarded competitive robotics team
- Designed, Built, and Programmed robot for head to head point scoring competition
- Used C++ and Autodesk Inventor extensively for programming and design

Hytech Racing, Georgia Tech FSAE electric team – Powertrain team – [September 2025 - current]

- Valued member of top national FSAE electric team
- Designing and building machinable gearbox and upright assemblies for high strength-to-weight
- Designing central cooling loop for independent drive motors
- Designing water cooling interfaces with motor for efficient thermal management
- Testing physical cooling loops and simulations to ensure efficient and capable design
- Meeting design requirements of powertrain system while working with and around requirements of other subteams
- Training on large fabrication machines (CNC Mill, CNC Lathe, Waterjet, Manual Mill)

NSMC Trustees Member – voting member – [October 2020- October 2022]

- Position in 100+ member local church to help decide on fund allocation
- Regular meetings to discuss budget and church maintenance and building projects, voting on said projects

Awards

- CCS Science Award 2022 Senior award - for most distinguished student in science studies
- VRC Worlds Create Award - for most unique and effective robot design in 100 team division
- Speedway Signature Event Finalist - competed in finals of national robotics tournament
- 2x recipient of CFMT PMC cares scholarship
- 2020 National Merit Commendation

Access [Portfolio](#) Here:

